

DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; that

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**SUBSTITUTED POLYCYCLIC ARYL AND HETEROARYL PYRAZINONES USEFUL FOR
SELECTIVE INHIBITION OF THE COAGULATION CASCADE**

The specification of which, with any Preliminary Amendment, (check one)

is attached hereto

was filed on May 18, 2000 as Application Serial No. 09/574,752 and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, '1.56(a)

I hereby claim foreign priority benefits under Title 35, United States Code, '119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

Priority Claimed

(Number)	(Country)	(Day/month/year filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Day/month/year filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Day/month/year filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, '120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, '112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, '1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

60/134,958	May 19, 1999	Provisional
(Application Serial No.)	(Filing date)	(Status)

(Application Serial No.)	(Filing date)	(Status)
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POWER OF ATTORNEY: As a named inventor, I hereby appoint as attorneys/agents: S. CHRISTOPHER BAUER, Registration No. 42,307; GEORGE R. BECK, Registration No. 21,180; DENNIS A. BENNETT, Registration No. 34,547; JON H. BEUSEN, Registration No. 30,610; GARY M. BOND, Registration No. 29,283; GRACE L. BONNER, Registration No. 32,963; JOSEPH W. BULOCK, Registration No. 37,103; JAMES C. FORBES, Registration No. 39,457; DENNIS R. HOERNER, Registration No. 30,914; J. TIMOTHY KEANE, Registration No. 27,808; CYNTHIA S. KOVACEVIC, Registration No. 35,578; LARRY M. LAVIN, Registration No. 30,768; THOMAS P. MCBRIDE, Registration No. 32,706; RICHARD A. MUELLER, Registration No. 41,094; STASIA OGDEN, Registration No. 36,228; MICHAEL J. ROTH 29,342; ALAN SCRIVNER, Registration No. 43,104; BRIAN K. STIERWALT, Registration No. 33,213; J. MICHAEL WARNER, Registration No. 45,199; ROGER A. WILLIAMS, Registration No. 27,679; SCOTT A. WILLIAMS, Registration No. 39,876; to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Direct all telephone calls to J. Timothy Keane at 314-694-9090 and address all correspondence to:

G. D. Searle & Co.
Corporate Patent Law Department
P.O. Box 5110
Chicago, Illinois 60680-9889

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

1)

FULL NAME OF INVENTOR	LAST NAME South	FIRST NAME Michael	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY St. Louis	STATE OR FOREIGN COUNTRY Missouri	COUNTRY OF CITIZEN. USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS 11671 Chieftain Drive	CITY St. Louis	STATE OR COUNTRY Missouri	ZIPCODE 63146
SIGNATURE OF INVENTOR 1	<i>Michael D. South</i>			DATE 7-6-00

2)

FULL NAME OF INVENTOR	LAST NAME Parlow	FIRST NAME John	MIDDLE NAME J.	
RESIDENCE & CITIZENSHIP	CITY Arnold	STATE OR FOREIGN COUNTRY Missouri	COUNTRY OF CITIZEN. USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS 4841 Placid Hills Road	CITY Arnold	STATE OR COUNTRY Missouri	ZIPCODE 63010
SIGNATURE OF INVENTOR 2	<i>[Signature]</i>			DATE 7/5/00

3)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Jones	Darin	E.	
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN	
	Ballwin	Missouri	USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	408 Johanna Place Drive	Ballwin	Missouri	63021
SIGNATURE OF INVENTOR 3	DATE			
	Darin Jones			

4)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Case	Brenda		
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN	
	St. Louis	Missouri	USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	8 South Tealbrook Drive	St. Louis	Missouri	63141
SIGNATURE OF INVENTOR 4	DATE			
	Brenda Case			

5)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Dice	Tom		
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN	
	St. Charles	Missouri	USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	407 North Fourth	St. Charles	Missouri	63301
SIGNATURE OF INVENTOR 5	DATE			
	Tom Dice			

6)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Lindmark	Richard		
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN	
	Kirkwood	Missouri	USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	1316 Woodgate Drive	Kirkwood	Missouri	63122
SIGNATURE OF INVENTOR 6	DATE			
	Richard Lindmark			

7)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Hayes	Michael	J.	
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN	
	St. Louis	Missouri	USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	668 Chelsea Avenue	St. Louis	Missouri	63122
SIGNATURE OF INVENTOR 7	DATE			
	Michael J. Hayes			

8)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Rueppel	Melvin	L.	
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN.	
	St. Louis	Missouri	USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	1904 Grassy Ridge Road	St. Louis	Missouri	63122
SIGNATURE OF INVENTOR 8	DATE			
	<i>McRueppel</i> 7/5/00			

9)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Huang	Horng-Chih		
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN.	
	Chesterfield	Missouri	Taiwan, R.O.C.	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	15481 Duxbury Way	Chesterfield	Missouri	63017
SIGNATURE OF INVENTOR 9	DATE			
	<i>Horng-Huang</i> 7/24/00			

10)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Huang	Wei		
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN.	
	Wildwood	Missouri	People's Republic of China	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	919 Crown Pointe Estates Drive	Wildwood	Missouri	63021
SIGNATURE OF INVENTOR 10	DATE			
	<i>Wei Huang</i> 7/20/00			

11)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Long	Scott	A.	
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN.	
	Ballwin	Missouri	USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	212 Oakbriar Farm Drive	Ballwin	Missouri	63021
SIGNATURE OF INVENTOR 11	DATE			
	<i>Scott Long</i> 7/25/00			

12)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Mahoney	Matthew		
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN.	
	St. Peters, Mo.	Missouri	USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	1154 Carrington Drive	St. Peters	Missouri	63376
SIGNATURE OF INVENTOR 12	DATE			
	<i>Matthew Mahoney</i> 7/24/00			

13)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Neumann	Matthew William (initials)	L.	
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN.	
	St. Louis	Missouri	USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	212 West Monroe	St. Louis	Missouri	63122
SIGNATURE OF INVENTOR 13	DATE			
	7/7/00			

14)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Reitz	David		
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN.	
	Chesterfield	Missouri	USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	14814 Pleasant Ridge Court	Chesterfield	Missouri	63017
SIGNATURE OF INVENTOR 14	DATE			
	8/16/00			

15)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Trujillo	John	I.	
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN.	
	Creve Coeur	Missouri	USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	12362-I Amber Creek Court	Creve Coeur	Missouri	63141
SIGNATURE OF INVENTOR 15	DATE			
	7/24/00			

16)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Wang	Ching-Cheng		
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN.	
	Wildwood	Missouri	Taiwan, R.O.C.	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	2470 Maple Crossing Drive	Wildwood	Missouri	63011
SIGNATURE OF INVENTOR 16	DATE			
	07/24/00			

17)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Wood	Rhonda		
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN.	
	Maryland Heights	Missouri	USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	12473 Whisper Hollow Drive, Apt. K	Maryland Heights	Missouri	63043
SIGNATURE OF INVENTOR 17	DATE			
	7-7-00			

18)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Zeng	Qingping		
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN.	
	Ballwin	Missouri	Taiwan, R.O.C.	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	1163 Richland Meadows Drive	Ballwin	Missouri	63021
SIGNATURE OF INVENTOR 18	DATE			
	7/17/2000			

19)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Fenton	Rick		
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN.	
	Collinsville	Illinois	USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	414 Bunker Hill	Collinsville	Illinois	62234
SIGNATURE OF INVENTOR 19	DATE			
	7/18/00			

20)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Franklin	Gary	W.	
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN.	
	Godfrey	Illinois	USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	307 St. Anthony	Godfrey	Illinois	62035
SIGNATURE OF INVENTOR 20	DATE			
	7/18/00			

21)

FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	Kusturin	Carrie		
RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZEN.	
	Edwardsville	Illinois	USA	
POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIPCODE
	913 Chancellor Drive	Edwardsville	Illinois	62025
SIGNATURE OF INVENTOR 21	DATE			
	7/18/00			



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MAY 15, 2001

PTAS

PHARMACIA CORPORATION
SCOTT A. WILLIAMS
CORPORATE PATENT DEPARTMENT
P.O. BOX 5110
CHICAGO, ILLINOIS



101634890A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/16/2001

REEL/FRAME: 011565/0386
NUMBER OF PAGES: 13

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SOUTH, MICHAEL /

DOC DATE: 08/16/2000

ASSIGNOR:

PARLOW, JOHN J. /

DOC DATE: 08/16/2000

ASSIGNOR:

JONES, DARIN E. /

DOC DATE: 08/16/2000

ASSIGNOR:

CASE, BRENDA /

DOC DATE: 08/16/2000

ASSIGNOR:

DICE, TOM /

DOC DATE: 08/16/2000

ASSIGNOR:

LINDMARK, RICHARD /

DOC DATE: 08/16/2000

ASSIGNOR:

HAYES, MICHAEL J. /

DOC DATE: 08/16/2000

ASSIGNOR:
RUEPPEL, MELVIN L. / DOC DATE: 08/16/2000

ASSIGNOR:
HUANG, HORNG-CHIH / DOC DATE: 08/16/2000

ASSIGNOR:
HUANG, WEI / DOC DATE: 08/16/2000

ASSIGNOR:
LONG, SCOTT A. / DOC DATE: 08/16/2000

ASSIGNOR:
MAHONEY, MATTHEW / DOC DATE: 08/16/2000

ASSIGNOR:
NEUMANN, WILLIAM / DOC DATE: 08/16/2000

ASSIGNOR:
REITZ, DAVID / DOC DATE: 08/16/2000

ASSIGNOR:
TRUJILLO, JOHN I. / DOC DATE: 08/16/2000

ASSIGNOR:
WANG, CHING-CHENG / DOC DATE: 08/16/2000

ASSIGNOR:
WOOD, RHONDA / DOC DATE: 08/16/2000

ASSIGNOR:
ZENG, QUINGPING / DOC DATE: 08/16/2000

ASSIGNOR:
FENTON, RICK / DOC DATE: 08/16/2000

ASSIGNOR:
FRANKLIN, GARY / DOC DATE: 08/16/2000

ASSIGNOR:
KUSTURIN, CARRIE / DOC DATE: 08/16/2000

ASSIGNEE:
PHARMACIA CORPORATION /
P.O. BOX 5110
CORPORATE PATENT DEPARTMENT
CHICAGO, ILLINOIS 60680-9889

SERIAL NUMBER: 09574752 /
PATENT NUMBER: /
FILING DATE: 05/18/2000 /
ISSUE DATE: /

Bun

SHAREILL COLES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

U.S. PATENT AND TRADEMARK OFFICE

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

03-13-2001



RECORDATION FORM COVER SHEET

101634890

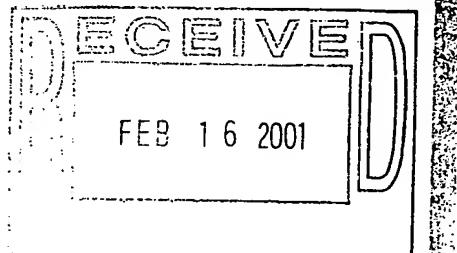
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Michael South, John J. Parlow, Darin E. Jones, Brenda Case, Tom Dice, Richard Lindmark, Michael J. Hayes, Melvin L. Rueppel, Horng-Chih Huang, Wei Huang, Scott A. Long, Matthew Mahoney, William Neumann, David Reitz, John I. Trujillo, Ching-Cheng Wang, Rhonda Wood, Quingping Zeng, Rick Fenton, Gary Franklin, and Carrie Kusturini

Additional name(s) of conveying party(ies) attached?

[] Yes [X] No



2. Name and address of receiving party(ies):

Name: Pharmacia Corporation
 Address: Corporate Patent Department
P.O. Box 5110
Chicago, Illinois 60680-9889

Additional name(s) and address(es) of receiving party(ies) attached?

[] Yes [X] No

3. Nature of Conveyance:

[X] Assignment [] Merger
 [] Security Agreement [] Change of Name
 [] Other _____

Execution Date: August 16, 2000

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application Serial No. 09/574,752 filed May 18, 2000

B. Patent No(s).

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved: [1]

Name: Pharmacia Corporation
 Internal Address: Corporate Patent Department
P.O. Box 5110
Chicago, Illinois
(314) 694-4474 (telephone)

7. Total fee (37CFR 3.41): \$40.00

[] Enclosed

[X] Authorized to be charged to deposit account

8. Deposit account number:

19-1025

03/07/2001 TDIAZ1 00000124 191025 09574752

01 FC:581

40.00 CH

(Attach duplicate copy of this page if paying by deposit account)

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Scott A. Williams, Reg. #39,876

Signature

February 9, 2001

Date

Total number of pages of attached conveyance document including any attachments (and excluding the Recordation Form Cover Sheet):

[12]

ASSIGNMENT

WHEREAS, I/WE, Michael South, John J. Parlow, Darin E. Jones, Brenda Case, Tom Dice, Richard Lindmark, Michael J. Hayes and Melvin L. Rueppel, Horng-Chih Huang, Wei Huang, Scott A. Long, Matthew Mahoney, William L. Neumann, David Reitz, John I. Trujillo, Ching-Cheng Wang, Rhonda Wood, Qingping Zeng, Rick Fenton, Gary W. Franklin, Carrie Kusturin, residing at 11671 Chieftain Drive, St. Louis, Missouri 63146; 4841 Placid Hills Road, Arnold Missouri 63010; 408 Johanna Place Drive, Ballwin, Missouri 63021; 8 South Tealbrook Drive, St. Louis, Missouri 63141; 407 North Fourth, St. Charles, Missouri 63301; 1316 Woodgate Drive, Kirkwood, Missouri 63122; 668 Chelsea Avenue, St. Louis, Missouri 63122; 1904 Grassy Ridge Road, St. Louis, Missouri 63122, 15481 Duxbury Way, Chesterfield, Missouri 63017; 919 Crown Pointe Estates Drive, Wildwood, Missouri 63021; 212 Oakbriar Farm Drive, Ballwin, Missouri 63021; 1154 Carrington Drive, St. Peters, Missouri 63376; 212 West Monroe, St. Louis, Missouri 63122; 14814 Pleasant Ridge Court, Chesterfield, Missouri 63017; 12362-I Amber Creek court, Creve Coeur, Missouri 63141; 2470 Maple Crossing Drive, Wildwood, Missouri 63011; 12473 Whisper Hollow Drive, Apt. K, Maryland Heights, Missouri 63043; 1163 Richland Meadows Drive, Ballwin, Missouri 63021; 414 Bunker Hill, Collinsville, Illinois 62234; 307 St. Anthony, Godfrey Illinois 62035; 913 Chancellor Drive, Edwardsville, Illinois 62025, the undersigned, have made certain invention or inventions, which are disclosed in patent application(s) entitled:

SUBSTITUTED POLYCYCLIC ARYL AND HETEROARYL PYRAZINONES USEFUL FOR SELECTIVE INHIBITION OF THE COAGULATION CASCADE

identified as C-3201/1 and;

WHEREAS, Pharmacia Corporation, of Peapack New Jersey, a Corporation of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, I/WE do hereby sell, assign and transfer to said Pharmacia Corporation, its successors and assigns, the entire right, title and interest in and to said invention or inventions, in any form or embodiment thereof, and in and to said application(s); and in and to any and all applications filed in any country based thereon, including the right to file applications in countries other than the country of priority filing under the provisions of any international convention; also in and to any and all improvements on said invention or inventions now or hereafter made by me/us as employee(s), agent(s) or contractor(s) of said Pharmacia Corporation; also the entire right, title and interest in and to any and all patents, including reissues and extensions thereof, to be obtained in any country upon said invention, inventions or improvements, and any and all continuing applications, including divisional, continuation and continuation-in-part applications, substitute applications, and applications claiming benefit of an earlier filed provisional application, which may be filed upon said invention, inventions or improvements in any country; and

I/WE hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Pharmacia Corporation, as assignee of the entire interest.

I/WE further agree, without any payment by Pharmacia Corporation other than in reimbursement of reasonable expenses I/we may incur, to communicate to said Pharmacia Corporation, its representatives or agents, any facts relating to said invention, inventions or improvements, including evidence for purposes of interference, opposition or other legal proceedings, whenever requested; testify in any interference, opposition or other legal proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective.

IN TESTIMONY WHEREOF, I/WE have hereto set our hands on the dates set after our signatures.

Signatures: Michael S. South Date: 7-06-00

Name: Michael S. South

Date: 7-06-00

City and state or country of residence: St. Louis, Missouri, U.S.A.

State of Missouri }
County of St. Louis }

On this 6th day of July, 2000, before me personally appeared Michael S. South, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

<i>Karol J. Wilder</i>		KAROL J. WILDER Notary Public - Notary Seal State of Missouri St Louis County
Notary Public or Consular Officer		My Commission Expires: <u>My Commission Expires Sep 25, 2002</u>
My Commission Expires: <u>My Commission Expires Sep 25, 2002</u>		

Signature: Date: 7/5/00

Date: 7/5/00

Name: John J. Parlow

City and state or country of residence: Arnold, Missouri, U.S.A

State of Missouri }
County of St. Louis }

On this 5th day of July, 2000, before me personally appeared John J. Parlow, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

Paul J. Felder
Notary Public or Consular Officer
My Commission Expires: 5-15-2024

KAROL J. WILDER
Notary Public - Notary Seal
State of Missouri
St. Louis County
My Commission Expires Sep 25, 2002

Signature: Wan G. Cypre

Date: 7-20-00

Name: Darin E. Jones

City and state or country of residence: Ballwin, Missouri, U.S.A.

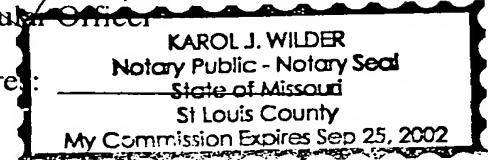
State of Missouri }
County of St. Louis } ss.

On this 10th day of July, 2000, before me personally appeared Darin E. Jones, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

Notary Public or Consular Officer

My Commission Expires:



Signature: Blenda Case

Date: July 7, 2000

Name: Brenda Case

City and state or country of residence: St. Louis, Missouri, U.S.A.

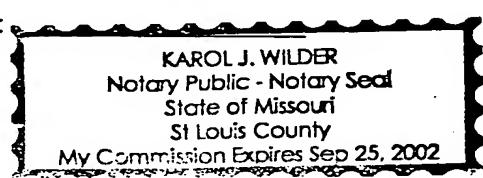
State of Missouri }
County of St. Louis } ss.

On this 7th day of July, 2000, before me personally appeared Brenda Case, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

Notary Public or Consular Officer

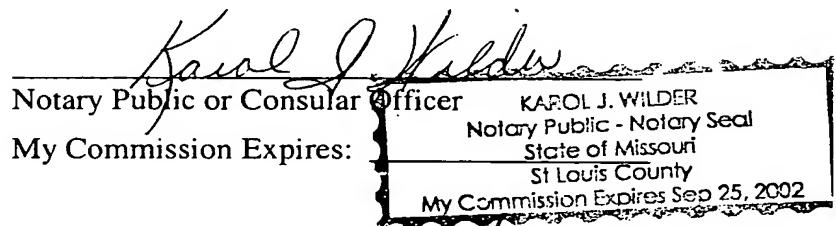
My Commission Expires:



Signature: Tom Dice Date: 7-18-2000Name: Tom DiceCity and state or country of residence: Creve Coeur, Missouri, U.S.AState of Missouri }
} ss.
County of St. Louis }

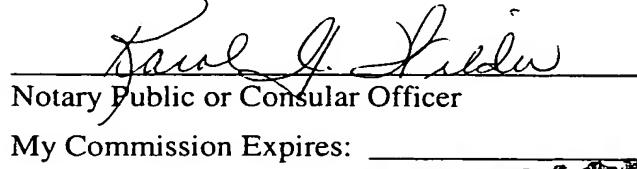
On this 18th day of July, 2000, before me personally appeared Tom Dice, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

Signature: R. LindmarkDate: 7/12/00Name: Richard LindmarkCity and state or country of residence: Kirkwood, Missouri, U.S.AState of Missouri }
} ss.
County of St. Louis }

On this 12th day of July, 2000, before me personally appeared Richard Lindmark, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)



Signature: Michael J. Hayes Date: 7 July 2000
 Name: Michael J. Hayes
 City and state or country of residence: St. Louis, Missouri, U.S.A
 State of Missouri }
 } ss.
 County of St. Louis }

On this 7th day of July, 2000, before me personally appeared Michael J. Hayes, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

Karol J. Wilder
 KAROL J. WILDER
 Notary Public or Consular Officer Notary Public - Notary Seal
 State of Missouri
 St Louis County
 My Commission Expires: My Commission Expires Sep 25, 2002

Signature: Melvin L. Rueppel Date: 7/5/00
 Name: Melvin L. Rueppel
 City and state or country of residence: St. Louis, Missouri, U.S.A

State of Missouri }
 } ss.
 County of St. Louis }

On this 5th day of July, 2000, before me personally appeared Melvin L. Rueppel, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

Karol J. Wilder
 Notary Public or Consular Officer

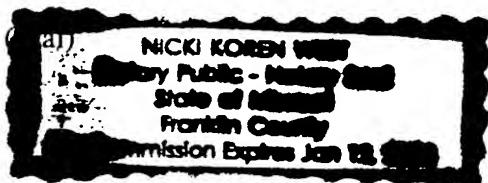
My Commission Expires:

KAROL J. WILDER
 Notary Public - Notary Seal
 State of Missouri
 St Louis County
 My Commission Expires Sep 25, 2002

Signature: Ho Lin Hua Date: 7/24/00Name: Horng-Chih HuangCity and state or country of residence: Chesterfield, Missouri, U.S.A

State of Missouri }
 County of Franklin } ss.
 County of St. Louis }

On this 24 day of July, 2000, before me personally appeared Horng-Chih Huang, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

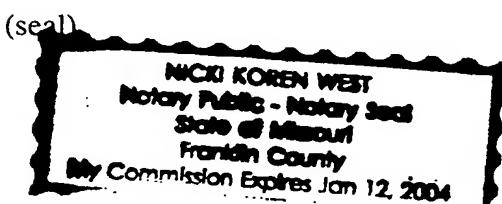


Nicki Koren West
 Notary Public or Consular Officer

My Commission Expires: 1/12/04Signature: Wei Huang Date: 7/20/00Name: Wei HuangCity and state or country of residence: Wildwood, Missouri, U.S.A

State of Missouri }
 County of Franklin } ss.
 County of St. Louis }

On this 20 day of July, 2000, before me personally appeared Wei Huang, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

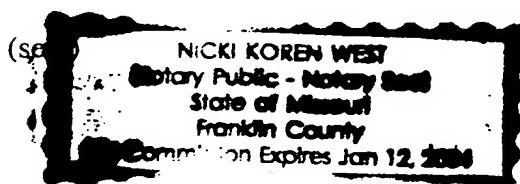


Nicki Koren West
 Notary Public or Consular Officer

My Commission Expires: 1/12/04

Signature: Scott Long Date: 7/25/00Name: Scott A LongCity and state or country of residence: Ballwin, Missouri, U.S.AState of Missouri }
} ss.
County of St. Louis }

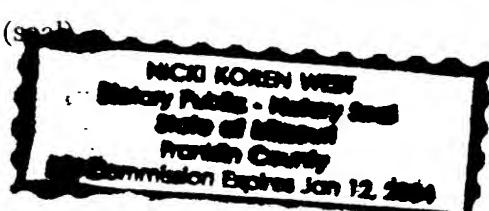
On this 25 day of July, 2000, before me personally appeared Scott A. Long, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.



Nicki Koren West
Notary Public or Consular Officer

My Commission Expires: 1/12/00Signature: Matthew Mahoney Date: 7/27/00Name: Matthew MahoneyCity and state or country of residence: St. Peters, Missouri, U.S.AState of Missouri }
} ss.
County of St. Louis }

On this 24 day of July, 2000, before me personally appeared Matthew Mahoney, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.



Nicki Koren West
Notary Public or Consular Officer

My Commission Expires: 1/12/04

Signature: W.L.N. Date: 7-7-00

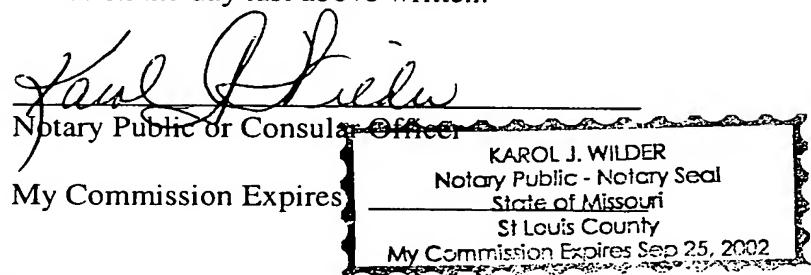
Name: William L. Neumann

City and state or country of residence: St. Louis, Missouri, U.S.A

State of Missouri }
County of St. Louis } ss.

On this 7th day of July, 2000, before me personally appeared William L. Neumann, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)



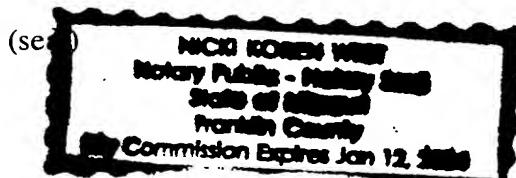
Signature: David B. Reitz Date: 8/16/00

Name: David Reitz

City and state or country of residence: Chesterfield, Missouri, U.S.A

State of Missouri }
County of St. Louis } ss.

On this 16 day of August, 2000, before me personally appeared David Reitz, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.



Vicki Karen West
Notary Public or Consular Officer

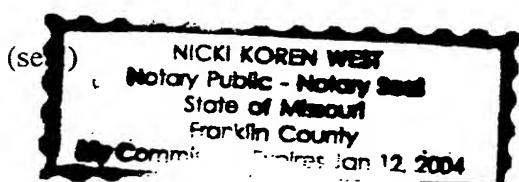
My Commission Expires: 1/12/04

Signature: John I. Trujillo Date: 7/24/00
 Name: John I. Trujillo

City and state or country of residence: Creve Coeur, Missouri, U.S.A

State of Missouri }
 County of St. Louis } ss.

On this 24 day of July, 2000, before me personally appeared John I. Trujillo, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.



Nicki Karen West

Notary Public or Consular Officer

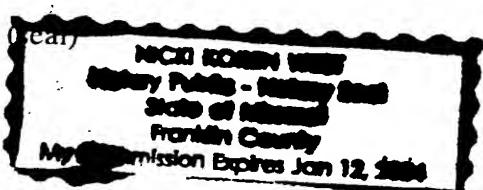
My Commission Expires: 1/12/04

Signature: Ching-Cheng Wang Date: 07/24/00
 Name: Ching-Cheng Wang

City and state or country of residence: Wildwood, Missouri, U.S.A

State of Missouri }
 County of St. Louis } ss.

On this 24 day of July, 2000, before me personally appeared Ching-Cheng Wang, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.



Nicki Karen West

Notary Public or Consular Officer

My Commission Expires: 1/12/04

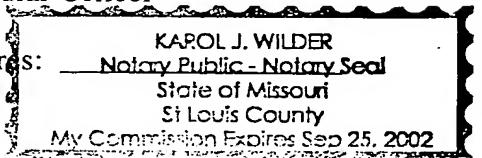
Signature: Rhonda Wood Date: 7-7-00Name: Rhonda WoodCity and state or country of residence: Maryland Heights, Missouri, U.S.AState of Missouri }
} ss.
County of St. Louis }

On this 7th day of July, 2000, before me personally appeared Rhonda Wood, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)


 Notary Public or Consular Officer

 My Commission Expires: KAROL J. WILDER
Notary Public - Notary Seal
 State of Missouri
 St Louis County


 My Commission Expires Sep 25, 2002
Signature: Qingping ZengDate: 7/17/2000Name: Qingping ZengCity and state or country of residence: Ballwin, Missouri, U.S.AState of Missouri }
} ss.
County of St. Louis }

On this 17th day of July, 2000, before me personally appeared Qingping Zeng, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)


 Notary Public or Consular Officer

 My Commission Expires: KAROL J. WILDER
Notary Public - Notary Seal
 State of Missouri
 St Louis County
 My Commission Expires Sep 25, 2002

Signature: Rick FentonDate: 7/18/00Name: Rick FentonCity and state or country of residence: Collinsville, Illinois, U.S.A

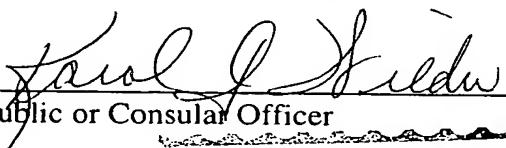
State of Missouri

} ss.
J

County of St. Louis

On this 18th day of July, 2000, before me personally appeared Rick Fenton, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)


 Notary Public or Consular Officer
My Commission Expires: KAROL J. WILDERNotary Public - Notary Seal

State of Missouri

St Louis County

My Commission Expires Sep 25, 2002

Signature: Gary W. FranklinDate: July 7, 2000Name: Gary W. FranklinCity and state or country of residence: Godfrey, Illinois, U.S.A

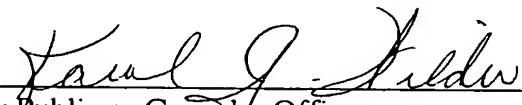
State of Missouri

} ss.
J

County of St. Louis

On this 7th day of July, 2000, before me personally appeared Gary W. Franklin, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)


 Notary Public or Consular Officer

My Commission Expires:

KAROL J. WILDERNotary Public - Notary Seal

State of Missouri

St Louis County

My Commission Expires Sep 25, 2002

Signature: Carrie Kusturin

Date: 7/18/00

Name: Carrie Kusturin

City and state or country of residence: Edwardsville, Illinois U.S.A

State of Missouri

}
} ss.

County of St. Louis

On this 18th day of July, 2000, before me personally appeared Carrie Kusturin, to me known to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.

(seal)

Karol J. Wilder
Notary Public or Consular Officer

My Commission Expires: _____

